

Attorney Docket No: 42390P15407X

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE RECEIVED

In re Application of:	.)	MAY 1 3 2003
David J. Gesbert et al.	Examiner: ***	Technology Center 210
Application No.: 09/730,687) Art Unit: 2133	- 100 M
Filing Date: September 5, 2000))	
For: MODE LOCKUF TABLES FOR DATA TRANSMISSION IN WIRELESS COMMUNICATION CHANNELS BASED ON STATISTICAL PARAMETERS	vicin the United States sufficient postege) Assistant Commissi on 4/25/	this common force in a discrete it to see that see the second of the in an envelope addressed to the ioner for Patents, Washington, D.C. 20231 Date of Deposit CICKLER Ferson Mailing Correspondence
Assistant Commissioner for Patents Washington, D.C. 20231	- / // ///////////////////////////////	10/14) 4/35/83 UTE 0/9

REVOCATION AND POWELR OF ATTORNEY

The assignee, Intel Corporation, of the above-identified Patent Application, hereby revokes all previous powers of attorney given in this Patent Application, and appoints the firm identified below and individual.

Intel Corporation, a corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of an Assignment from the inventor(s) of the patent application identified above. The Assignment was recorded in the Patent and Trademark Office at Reel______, Frame ______, or when the Assignment has not yet been recorded, a copy thereof is attached.

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agents, of INTEL CORPORATION; and James R. Thein, Reg. No. 31,710, my patent
attorney; with full power of substitution and revocation, to prosecute this application and to
transact all business in the Patent and Trademark Office connected herewith.
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The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The individual whose signature appears below is authorized to execute this Power of Attorney on behalf of Intel Corporation.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful statements and the like so made are punishable by fine or imprisonment, or 1, imen 1 r Section 1001 of Title 18 of the United States Code, and that such willful false statements made herein of my own knowledge are true and that these all statements and further that these statements and the like so made are punishable by fine or imprisonment, or 1, imen 1 r Section 1001 of Title 18 of the United States Code, and that such willful false statements made herein of my own knowledge are true and that

Please direct all communications concerning this Application to:

Michael Proksch BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP 12400 Wilshire Boulevard, Seventh Floor Los Angeles, CA 90025 (408) 720-8300

By:

Chief Patent Counsel
Intel Corporation

U.S. PATENT APPLICATION ASSIGNMENT

This U.S. Patent Application Assignment (this "Assignment") is made as of September 18, 2002 by Iospan Wireless, Inc., a Delaware corporation ("Assignor"), to Intel Corporation, a Delaware corporation ("Assignee").

RECITALS

- A. Assignor and Assignee have entered into an Asset Purchase Agreement dated as of September 18, 2002 (the "Purchase Agreement"). All capitalized terms used herein but not otherwise defined shall have the meanings set forth in the Purchase Agreement.
- B. Pursuant to the Purchase Agreement, Assignor desires to assign to Assignee all of Assignor's right, title and interest in and to patent applications filed with the United States Patent and Trademark Office and set forth on Exhibit A hereto (the "Patent Applications").

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing premises, the mutual covenants and agreements contained in the Purchase Agreement and the covenants and agreements in this Assignment and to induce Assignee to consummate the transactions contemplated by the Purchase Agreement, Assignor agrees as follows:

- Assignor does hereby sell, transfer, convey, assign and deliver to Assignee all of Assignor's right, title and interest in and to the Patent Applications and any patents that may issue therefrom, including any foreign counterparts, divisions, continuations, or reissues of such patents, the same to be held by Assignee for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors, assigns and other legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment and sale had not been made; together with all claims for Damages by reason of past infringements of the Patent Applications, along with the right to sue for and collect such Damages for the use and benefit of Assignee and its successors, assigns and other legal representatives.
- 2. Assignor hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any officer of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of intellectual property protection or applications as aforesaid, to issue the same to Assignee and its successors, assigns and other legal representatives in accordance with the terms of this instrument.
- 3. Assignor hereby covenants with Assignee and the successors and permitted assigns of Assignee that, from time to time after the date hereof, Assignor will promptly execute and deliver to Assignee or shall promptly procure the execution and delivery of any and all such instruments of sale, transfer, conveyance, assignment and delivery, consents, assurances, powers of attorney and other instruments as may reasonably be requested by Assignee in order to vest in

Assignee all of Assignor's right, title and interest in and to the Patents and carry out the purpose and intent of this Assignment and the Purchase Agreement.

IN WITNESS WHEREOF, Assignor has executed this Assignment on the date first above written.

IOSPAN WIRELESS, INC.

By:

Vame: <u>Levent G</u>

Title: President and Chief Executive Officer

EXHIBIT A

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Title	Filing Date	Serial No.
Data Routing For Spatial	7/30/99	09/518,500
Multiplexing In A Cellular		ŕ
Network		
Subscriber Unit	4/7/00	09/545,434
Incorporating Spatial		ŕ
Multiplexing		
Subscriber Unit In A	4/7/00	09/564,770
Hybrid Link Incorporating		ŕ
Spatial Multiplexing		
A Cellular Wireless Re-	6/9/00	09/591,015
Use Structure That Allows		ŕ
Spatial Multiplexing And		
Diversity Communication		
Method And System For	6/30/00	09/609,591
Mode Adaptation In		•
Wireless Communication		
Systems		
Spatial Separation And	7/21/00	09/621,119
Multi-Polarization Of		
Antennas In A Wireless		
Cellular Network		
Wireless Communications	9/1/00	09/653,060
System That Supports		
Multiple Modes Of		
Operation		
An Apparatus And Method	9/28/00	09/678,179
For Optimizing Data		
Transfer Capacity Of A		
Multiple Base Transceiver		
Station Cellular Wireless		
Network System		
Method And System For	9/29/00	09/676,410
Adapting A Wireless Link		
In Response To Measured		
Error Rates		
Mode Selection For Data	9/19/00	09/665,149
Transmission In Wireless		
Communication Channels		
Based On Statistical		
Parameters		
Interference Mitigation In	10/13/00	09/687,965
Wireless Communications		

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By Training Of Interfering		
Signals		
A System And Method For	11/8/00	09/708,170
Data Transmission From		
Multiple Wireless Base		
Transceiver Stations To A		
Subscriber Unit	<u> </u>	
A System And Method For	12/4/00	09/729,886
Synchronizing Data		1
Transmission From	:	[
Multiple Wireless Base		·
Transceiver Stations To A		
Subscriber Unit		
Mode Lookup Tables For	12/1/00	09/730,687
Data Transmission In		
Wireless Communication	,	
Channels Based On		
Statistical Parameters		
Method And System For	12/22/00	09/745,767
Evaluating A Wireless	12/22/00	
Link		
A Method And System For	2/1/01	09/775,860
Controlling The Flow Of		
Data In A Base		
Transceiver Station		
Adaptive Channel	2/6/01	09/778,323
Allocation Technique For	2,0,01	05,7,0,525
Wireless Communications		
Systems		
A Method, System And	3/6/01	09/813,656
Apparatus For Displaying	3/0/01	05/015,030
The Quality Of Data		
Transmissions In A	·	
Wireless Communication		
System	2/22/01	00/916 652
A Method And System For	3/23/01	09/816,652
Scheduling The		
Transmission Of Wireless		
Data	2 /2 5 / 2	00/010 047
Management And	3/27/01	09/819,947
Scheduling Of Data That		
Is Wirelessly Transmitted		
Between A Base		
Transceiver Station And		
Subscriber Units		
Method And Wireless	6/6/01	09/876,896

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Communications Systems		
For Interference Mitigation		
(Continuation of GWI-		
101)		
Wireless Communication	6/5/01	09/875,806
Systems With Adaptive		
Channelization And Link		
Adaptation		
Channel Interpolation	6/11/01	09/880,574
Filters In OFDM Systems		
Spatial Multiplexing Using	6/4/01	09/873,449
Co-Located Antennae	• •	,
With Multiple		
Polarizations Suitable For		
Mobile Applications		
A Wireless System	5/31/01	09/870,706
Contention Management	5/51/01	02/0/0,/00
Procedure		
	6/28/01	09/894,448
A Method And System For	0/20/01	U2/024,440
Adapting A Wireless Link		
To Achieve A Desired		
Channel Quality	7/5/01	09/900,110
A System And Method For	7/5/01	09/900,110
Error Correction Coding		
Wirelessly Transmitted		
Information In A Multiple		
Antennae Communication		
System	7/04/04	00/010 014
A System And Method Of	7/24/01	09/912,814
Classifying Remote Users		
According To Link		
Quality, And Scheduling		
Wireless Transmission Of		
Information To The Users		
Based Upon The		
Classifications		
A System And Method For	7/24/01	09/912,800
Circulant Transmit		
Diversity		
A System And Method For	8/28/01	09/942,838
Simulating A MIMO		
Transmission Channel		
Transmit Signal	9/5/01	09/948,204
Preprocessing Based On	- · · · · · · · ·	
Transmit Antennae		
Correlations For Multiple		
Correlations For Multiple		

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Contains		
Antennae Systems	10/9/01	09/975,128
A System And Method For	10/3/01	07/7/3,120
Providing Automatic Re-		
Transmission Of		
Wirelessly Transmitted		
Information	11/07/01	00/000 429
A System And Method For	11/27/01	09/999,438
Transmit Diversity Based		
Upon Transmission		
Channel Delay Spread		10/00 (00
A System And Method For	12/14/01	10/23,632
Multiple Signal Carrier		
Time Domain Channel		
Estimation		
A System And Method Of	2/5/02	10/072,359
Dynamically Optimizing A		
Transmission Mode Of		
Wirelessly Transmitted		
Information		
A Multiple Channel	3/25/02	10/107,124
Wireless Receiver		
A Robust Multiple Chain	3/25/02	10/107,237
Receiver		
A Method And System For	5/29/02	10/158,734
Multiple Chain Wireless		
Receiver And Transmitter		
Phase And Amplitude		
Correction		
A Method And System Of	6/19/02	10/176,300
Biasing A Timing Phase	5, 12, 02	
Estimate Of Data		
Segments Of A Received		
1 -		
Signal A Method And System For	7/2/02	10/189,755
	11 21 02	10,100,100
Adjusting A Power Level		·
Of A Transmission Signal		
Based Upon A Peak To		
Average Ratio	0/1//02	
A Method And System Of	9/16/02	
Frequency And Time		
Synchronization Of A		
Transceiver To Signals		
Received By The		
Transceiver		

Acknowledgment by Notary Public

State of <u>California</u>	
County of Santa Clara	*
On this 17 = day o personally appeared 200 the basis of satisfactory evider	f sept, 2002 before me, the undersigned Notary Public, personally known to me (or proved to me nee) to be the person whose name is subscribed to the within me that he or she executed the same.
Seal:	Signature: ////////
Commission # 1213405 Notary Public - Colifornic Santa Clara County My Comm. Expres Mar 18, 20	TANK TO THE PART OF THE PART O